



HERITAGE-WTI, INC.
1250 St. George Street
East Liverpool, Ohio 43920-3400
Phone: 330-385-7337
Fax: 330-385-7813
Web Site: www.heritage-wti.com

OHSAS 18001: 2007
ISO 14001: 2004
ISO 9001: 2008

Mr. Wen Huang
U.S. EPA, Region V
Waste Management Division
Mail Code HRP-8J
77 West Jackson
Chicago, IL 60604

October 31, 2011
VIA UPS and AIR SERVICES

Mr. Erik Bewley (sent electronically)
Division of Air Pollution Control
Northeast District Office
2110 East Aurora Road
Twinsburg, Ohio 44087

RE: Heritage-WTI, INC.
FACILITY ID: 02-15-02-0233
DATA ASSESSMENT REPORTS
3rd Quarter 2010

To whom it may concern:

Enclosed are the Data Assessment Reports (DARs) for the Relative Accuracy Test Audit (RATA) conducted **August 31-September 1, 2011** for Heritage-WTI, Inc.'s Continuous Emissions Monitoring System (CEMs).

The Data Assessment Report Forms, as Enclosure A, accompany this letter to US EPA only. They have been sent electronically to OEPA-DAPC. Attachment B contains the complete results of testing as provided to Heritage-WTI by Air Compliance Testing. Attachment C contains the calibration data sheets for the 3rd quarter. Enclosure B and C are maintained onsite at Heritage-WTI and can be viewed upon request by agency personnel. This report displays that the Heritage-WTI CEMS have successfully met all the requirements of their applicable standards.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are certain penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

As always if you have any questions and/or comments feel free to contact me.

Sincerely,

Frank Murray
General Manager
Heritage-WTI, Inc.

cc: Michelle Tarka, OEPA-DHWM-NEDO (hand deliver, w/o attachments)



Recycled Paper

ENCLOSURE A
3rd QUARTER 2011
DATA ASSESSMENT REPORT FORMS

October 31, 2011

Heritage-WTI, Inc.

EAST LIVERPOOL, OHIO

**DATA ASSESSMENT REPORT
STACK FLOW MONITOR**

Period ending date: **September 30**

Year: **2011**

Company Name: **Heritage-WTI, Inc.**

Address: **1250 St. George Street, East Liverpool, OH 43920-6026**

Source Unit No.: **N001**

CEMs Manufacturer: **Teledyne**

Model No.: **Model 150**

CEMs Serial No.: **1501036**

CEMs Type: **In situ**

CEMs Sampling Location: **Stack**

CEMs Span Values As Per the Applicable Regulation: **0 - 100,000 scfm**

I. Accuracy Assessment Results:

A. Relative accuracy test audit (RATA) for flow.

Not applicable

B. Cylinder gas audit (CGA) for flow.

Not applicable

C. Relative accuracy audit (RAA) for flow.

1. Date of Audit: **9/1/2011**
2. Reference Methods (RM's) used: **1-4**
3. Average RM value: **79,248 scfm**
4. Average CEMs value: **76,609scfm**
5. Absolute value of mean difference (d): **2,638 scfm**
6. Confidence Interval (CI): **1672.3**
7. Percent relative accuracy (RA): **5.439** (% Reference Method)
8. EPA performance audit results: **NA**

D. Corrective action for excessive inaccuracy

Not applicable

I. Calibration Drift Assessment

START DATE	START TIME	END DATE	END TIME	CORRECTIVE ACTION
7/22/11	0558	7/23/11	0611	Recalibrate
9/11/11	0558	9/12/11	0727	Recalibrate

**DATA ASSESSMENT REPORT
CO MONITOR**

Period ending date: September 30

Year: 2011

Company Name: Heritage-WTI, Inc.

Address: 1250 St. George Street, East Liverpool, OH 43920-6026

Source Unit No.: N001

CEMs Manufacturer: Thermo

Model No.: 48i

CEMs Serial No.: CM10360078

CEMs Type: Dry extractive

CEMs Sampling Location: Stack

CEMs Span Values As Per the Applicable Regulation: 0 - 700ppm

I. Accuracy Assessment Results:

- B. Relative accuracy test audit (RATA) for CO2.

Not applicable

- B. Cylinder gas audit (CGA) for flow.

Not applicable

- C. Relative accuracy audit (RAA) for flow.

3. Date of Audit: 9/1/2011

4. Reference Methods (RM's) used: 1-4

3. Average RM value: 0.419 lb/hr

4. Average CEMs value: 0.367 lb/hr

5. Absolute value of mean difference (d): 0.053 lb/hr

6. Confidence Interval (CI): 0.015

7. Percent relative accuracy (RA): 0.311 (% Applicable Standard)

8. EPA performance audit results: NA

- D. Corrective action for excessive inaccuracy

Not applicable

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

**DATA ASSESSMENT REPORT
NO_x MONITOR**

Period ending date: **September 30**

Year: 2011

Company Name: **Heritage-WTL, Inc.**

Address: **1250 St. George Street, East Liverpool, OH 43920-6026**

Source Unit No.: **N001**

CEMS Manufacturer: **CAI**

Model No.: **600CLD**

CEMS Serial No.: **U12052**

CEMS Type: **Dry extractive**

CEMS Sampling Location: **Stack**

CEMS Span Values As Per the Applicable Regulation: **0 - 250 ppm**

I. Accuracy Assessment Results:

A. Relative accuracy test audit (RATA) for NO_x using Dry O₂ #2, Wet O₂ #2, Calculated Stack Flow.

1. Date of Audit: **9/1/2011**
2. Reference Methods (RM's) used: **7E**
3. Average RM value: **16.277 lb/hr**
4. Average CEMs value: **16.953 lb/hr**
5. Absolute value of mean difference (d): **-0.676 lb/hr**
6. Confidence Interval (CI): **0.961**
7. Percent relative accuracy (RA): **8.693** (applicable standard)
8. EPA performance audit results: **NA**

B. Cylinder gas audit (CGA) for NO_x.

Not applicable

C. Relative accuracy audit (RAA) for NO_x.

Not applicable

D. Corrective action for excessive inaccuracy

Not applicable

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

**DATA ASSESSMENT REPORT
SO₂ MONITOR**

Period ending date: **September 30**

Year: 2011

Company Name: **Heritage-WTI, Inc.**

Address: **1250 St. George Street, East Liverpool, OH 43920-6026**

Source Unit No.: **N001**

CEMS Manufacturer: **Thermo**

Model No.: **43i-HL**

CEMS Serial No.: **1027444707**

CEMS Type: **Dry extractive**

CEMS Sampling Location: **Stack**

CEMS Span Values As Per the Applicable Regulation: **0 - 100 ppm**

I. Accuracy Assessment Results:

A. Relative accuracy test audit (RATA) for SO₂.

1. Date of Audit: **9/1/2011**
2. Reference Methods (RM's) used: **6C**
3. Average RM value: **1.043 lb/hr**
4. Average CEMs value: **0.291 lb/mm Btu**
5. Absolute value of mean difference (d): **0.752 lb/hr**
6. Confidence Interval (CI): **0.281**
7. Percent relative accuracy (RA): **9.112** (applicable standard)
8. EPA performance audit results: **NA**

B. Cylinder gas audit (CGA) for SO₂.

Not applicable

C. Relative accuracy audit (RAA) for SO₂.

Not applicable

D. Corrective action for excessive inaccuracy

Not applicable

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

**DATA ASSESSMENT REPORT
STACK #1 DRY O₂ MONITOR**

Period ending date: September 30

Year: 2011

Company Name: Heritage-WTI, Inc.

Address: 1250 St. George Street, East Liverpool, OH 43920-6026

Source Unit No.: N001

CEMS Manufacturer: Ametek

Model No.: 2000

CEMS Serial No.: C127340-1

CEMS Type: Extractive

CEMS Sampling Location: Stack

CEMS Span Values As Per the Applicable Regulation: 0 -- 25%

I. Accuracy Assessment Results:

A. Relative accuracy test audit (RATA) for SO₂.

1. Date of Audit: 9/1/2011
2. Reference Methods (RM's) used: 6C
3. Average RM value: 15.086 %
4. Average CEMs value: 14.689 %
5. Absolute value of mean difference (d): 0.397%
6. Confidence Interval (CI): 0.157
7. Percent relative accuracy (RA): 0.397 (applicable standard)
8. EPA performance audit results: NA

B. Cylinder gas audit (CGA) for SO₂.

Not applicable

C. Relative accuracy audit (RAA) for SO₂.

Not applicable

D. Corrective action for excessive inaccuracy

Not applicable

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

**DATA ASSESSMENT REPORT
STACK #1 WET O₂ MONITOR**

Period ending date: September 30

Year: 2011

Company Name: Heritage-WTI, Inc.

Address: 1250 St. George Street, East Liverpool, OH 43920-6026

Source Unit No.: N001

CEMS Manufacturer: Ametek

Model No.: 2000

CEMS Serial No.: C101180-102

CEMS Type: Extractive

CEMS Sampling Location: Stack

CEMS Span Values As Per the Applicable Regulation: 0 – 25%

I. Accuracy Assessment Results:

A. Relative accuracy test audit (RATA) for SO₂.

1. Date of Audit: 9/1/2011
2. Reference Methods (RM's) used: 6C
3. Average RM value: 10.274%
4. Average CEMs value: 10.646%
5. Absolute value of mean difference (d): 0.078%
6. Confidence Interval (CI): 0.137
7. Percent relative accuracy (RA): 0.078 (applicable standard)
8. EPA performance audit results: NA

B. Cylinder gas audit (CGA) for SO₂.

Not applicable

C. Relative accuracy audit (RAA) for SO₂.

Not applicable

D. Corrective action for excessive inaccuracy

Not applicable

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

**DATA ASSESSMENT REPORT
STACK #2 DRY O₂ MONITOR**

Period ending date: September 30

Year: 2011

Company Name: Heritage-WTI, Inc.

Address: 1250 St. George Street, East Liverpool, OH 43920-6026

Source Unit No.: N001

CEMS Manufacturer: Ametek

Model No.: 2000

CEMS Serial No.: 10206379

CEMS Type: Extractive

CEMS Sampling Location: Stack

CEMS Span Values As Per the Applicable Regulation: 0 – 25%

I. Accuracy Assessment Results:

A. Relative accuracy test audit (RATA) for SO₂.

1. Date of Audit: 9/1/2011
2. Reference Methods (RM's) used: 6C
3. Average RM value: 15.086%
4. Average CEMs value: 14.780%
5. Absolute value of mean difference (d): 0.306%
6. Confidence Interval (CI): 0.147
7. Percent relative accuracy (RA): 0.306 (applicable standard)
8. EPA performance audit results: NA

B. Cylinder gas audit (CGA) for SO₂.

Not applicable

C. Relative accuracy audit (RAA) for SO₂.

Not applicable

D. Corrective action for excessive inaccuracy

Not applicable

II. Calibration Drift Assessment

START DATE	START TIME	END DATE	END TIME	CORRECTIVE ACTION
9/3/2011	0807	9/4/2011	0912	Recalibrate

**DATA ASSESSMENT REPORT
STACK #2 WET O₂ MONITOR**

Period ending date: September 30

Year: 2011

Company Name: Heritage-WTI, Inc.

Address: 1250 St. George Street, East Liverpool, OH 43920-6026

Source Unit No.: N001

CEMS Manufacturer: Ametek

Model No.: 2000

CEMS Serial No.: 10206503

CEMS Type: Extractive

CEMS Sampling Location: Stack

CEMS Span Values As Per the Applicable Regulation: 0 – 25%

I. Accuracy Assessment Results:

A. Relative accuracy test audit (RATA) for SO₂.

1. Date of Audit: 9/1/2011
2. Reference Methods (RM's) used: 6C
3. Average RM value: 10.724%
4. Average CEMs value: 10.571%
5. Absolute value of mean difference (d): 0.153%
6. Confidence Interval (CI): 0.157
7. Percent relative accuracy (RA): 0.153 (applicable standard)
8. EPA performance audit results: NA

B. Cylinder gas audit (CGA) for SO₂.

Not applicable

C. Relative accuracy audit (RAA) for SO₂.

Not applicable

D. Corrective action for excessive inaccuracy

Not applicable

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

**DATA ASSESSMENT REPORT
CAI THC #1 MONITOR**

Period ending date: September 30

Year: 2011

Company Name: Heritage-WTI, Inc.

Address: 1250 St. George Street, East Liverpool, OH 43920-6026

Source Unit No.: N001

CEMS Manufacturer: CAI

Model No.: 600H FID

CEMS Serial No.: U12054

CEMS Type: Dry extractive

CEMS Sampling Location: Stack

CEMS Span Values As Per the Applicable Regulation: 0 - 100 ppm, 0-500ppm

I. Accuracy Assessment Results:

On August 31, 2011, THC monitor 1 was audited by calibration error and response time testing in accordance with USEPA document 530-SW-91-010 "Methods for Compliance with BIF Regulations," Section 2.2. Both a low and a high span were evaluated. The low span results indicate a calibration error at low, medium, and high ranges of -0.13, 2.33 and 2.84 percent respectively. The high span results indicate a calibration error at low, medium, and high ranges of 0.19, 4.56 and 4.56 percent respectively. See Tables Nos. 2.2.1, 2.3.1, and 2.3.2 for details on the results of this audit.

- A. Relative accuracy test audit (RATA) for THC.

Not applicable.

- B. Cylinder gas audit (CGA) for THC.

Not applicable

- C. Relative accuracy audit (RAA) for THC.

Not applicable

- D. Corrective action for excessive inaccuracy.

Not applicable

II. Calibration Drift Assessment

START DATE	START TIME	END DATE	END TIME	CORRECTIVE ACTION
7/22/2011	0641	7/23/2011	1220	Recalibrate

**DATA ASSESSMENT REPORT
CAI THC #2 MONITOR**

Period ending date: September 30

Year: 2011

Company Name: Heritage-WTI, Inc.

Address: 1250 St. George Street, East Liverpool, OH 43920-6026

Source Unit No.: N001

CEMS Manufacturer: CAI

Model No.: 600HFID

CEMS Serial No.: U12055

CEMS Type: Dry extractive

CEMS Sampling Location: Stack

CEMS Span Values As Per the Applicable Regulation: 0 - 100 ppm, 0-500ppm

I. Accuracy Assessment Results:

On August 31, 2011, THC monitor 2 was audited by calibration error and response time testing in accordance with USEPA document 530-SW-91-010 "Methods for Compliance with BIF Regulations," Section 2.2. Both a low and a high span were evaluated. The low span results indicate a calibration error at low, medium, and high ranges of -0.78, -0.09, and -1.70 percent respectively. The high span results indicate a calibration error at low, medium, and high ranges of -0.54, -5.24, and -2.65 percent respectively. See Table Nos. 2.2.1, 2.3.3, and 2.3.4 for details on the results of this audit.

A. Relative accuracy test audit (RATA) for THC.

Not applicable.

B. Cylinder gas audit (CGA) for THC.

Not applicable

C. Relative accuracy audit (RAA) for THC.

Not applicable

D. Corrective action for excessive inaccuracy.

Not applicable

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

**DATA ASSESSMENT REPORT
OPACITY MONITOR**

Period ending date: September 30

Year: 2011

Company Name: Heritage-WTI, Inc.

Address: 1250 St. George Street, East Liverpool, OH 43920-6026

Source Unit No.: N001

CEMS Manufacturer: Teledyne Lighthawk

Model No.: 560

CEMS Serial No.: 5600687

CEMS Type: In situ

CEMS Sampling Location: Stack

CEMS Span Values As Per the Applicable Regulation: 0 - 100 percent

I. Accuracy Assessment Results:

The opacity monitor was audited in accordance with the procedures specified in PS-1. See Table Nos. 2.2.3, 2.5.1 and 2.5.2 for the results of this audit.

- A. Relative accuracy test audit (RATA) for opacity.

Not applicable

- B. Cylinder gas audit (CGA) for opacity.

Not applicable

- C. Relative accuracy audit (RAA) for opacity.

Not applicable

- D. Corrective action for excessive inaccuracy

Not applicable

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

DATA ASSESSMENT REPORT
SCRUBBER OUTLET FLOW MONITOR
(Process Flow)

Period ending date: September 30

Year: 2011

Company Name: Heritage-WTI, Inc.

Address: 1250 St. George Street, East Liverpool, OH 43920-6026

Source Unit No.: N001

CEMs Manufacturer: USI, Ultraflow

Model No.: Model 100

CEMs Serial No.: 9407820

CEMs Type: In situ

CEMs Sampling Location: Scrubber outlet

CEMs Span Values As Per the Applicable Regulation: 0 - 70,000 scfm

I. Accuracy Assessment Results:

- A. Relative accuracy test audit (RATA) for flow.

Not applicable

- B. Cylinder gas audit (CGA) for flow.

Not applicable

- C. Relative accuracy audit (RAA) for flow.

1. Date of Audit: 9/1/2011
2. Reference Methods (RM's) used: 1-4
3. Average RM value: 57,871 scfm
4. Average CEMs value: 59,504 scfm
5. Absolute value of mean difference (d): -1633 scfm
6. Confidence Interval (CI): 653.9
7. Percent relative accuracy (RA): 3.951 (applicable standard)
8. EPA performance audit results: NA

- C. Corrective action for excessive inaccuracy

Not applicable

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

**DATA ASSESSMENT REPORT
REHEAT FLOW MONITOR**

Period ending date: September 30

Year: 2011

Company Name: Heritage-WTI, Inc.

Address: 1250 St. George Street, East Liverpool, OH 43920-6026

Source Unit No.: N001

CEMs Manufacturer: USI, Ultraflow

Model No.: Model 100

CEMs Serial No.: Q-08572U-0793

CEMs Type: In situ

CEMs Sampling Location: Reheat duct

CEMs Span Values As Per the Applicable Regulation: 0 - 50,000 scfm

I. Accuracy Assessment Results:

D. Relative accuracy test audit (RATA) for flow.

Not applicable

B. Cylinder gas audit (CGA) for flow.

Not applicable

C. Relative accuracy audit (RAA) for flow.

5. Date of Audit: 9/1/2011

6. Reference Methods (RM's) used: 1-4

3. Average RM value: 16,759 scfm

4. Average CEMs value: 19,477scfm

5. Absolute value of mean difference (d): -2718 scfm

6. Confidence Interval (CI): 298.6

7. Percent relative accuracy (RA): 17.999 (applicable standard)

8. EPA performance audit results: NA

D. Corrective action for excessive inaccuracy

Not applicable

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

**DATA ASSESSMENT REPORT
VAPOR RECOVERY THC ANALYZER (NORTH)**

Period ending date: September 30

Year: 2011

Company Name: Heritage-WTI, Inc.

Address: 1250 St. George Street, East Liverpool, OH 43920-6026

Source Unit No.: N001

CEMS Manufacturer: California

Model No.: 600 Series

CEMS Serial No.: T10031

CEMS Type: Dry extractive

CEMS Sampling Location: Inter-box Connector

CEMS Span Values As Per the Applicable Regulation: 0 - 200 ppm

I. Accuracy Assessment Results:

On August 31, 2011, Vapor Recovery THC (north) was audited by calibration error and response time testing in accordance with USEPA document 530-SW-91-010 "Methods for Compliance with BIF Regulations," Section 2.2. Both a low and a high span were evaluated. The results indicate a calibration error at low, medium, and high ranges of -1.37, 0.40 and -0.02 percent respectively. See Table Nos. 2.3.5 for details on the results of this audit.

- A. Relative accuracy test audit (RATA) for THC.

Not applicable.

- B. Cylinder gas audit (CGA) for THC.

Not applicable

- C. Relative accuracy audit (RAA) for THC.

Not applicable

- D. Corrective action for excessive inaccuracy.

Not applicable

III. Calibration Drift Assessment

START DATE	START TIME	END DATE	END TIME	CORRECTIVE ACTION
7/22/2011	0651	7/23/2011	1143	Recalibrate

**DATA ASSESSMENT REPORT
VAPOR RECOVERY THC ANALYZER (SOUTH)**

Period ending date: September 30

Year: 2011

Company Name: Heritage-WTI, Inc.

Address: 1250 St. George Street, East Liverpool, OH 43920-6026

Source Unit No.: N001

CEMS Manufacturer: California

Model No.: 600 Series

CEMS Serial No.: T10033

CEMS Type: Dry extractive

CEMS Sampling Location: Inter-box Connector

CEMS Span Values As Per the Applicable Regulation: 0 - 200 ppm

I. Accuracy Assessment Results:

On August 31, 2011, Vapor Recovery THC (south) was audited by calibration error and response time testing in accordance with USEPA document 530-SW-91-010 "Methods for Compliance with BIF Regulations," Section 2.2. Both a low and a high span were evaluated. The results indicate a calibration error at low, medium, and high ranges of -0.44, 0.47 and 0.76 percent respectively. See Table Nos. 2.3.6 for details on the results of this audit.

A. Relative accuracy test audit (RATA) for THC.

Not applicable.

B. Cylinder gas audit (CGA) for THC.

Not applicable

C. Relative accuracy audit (RAA) for THC.

Not applicable

D. Corrective action for excessive inaccuracy.

Not applicable

II. Calibration Drift Assessment

START DATE	START TIME	END DATE	END TIME	CORRECTIVE ACTION
7/22/2011	0651	7/23/2011	1143	Recalibrate

**** END OF REPORT ****



HERITAGE-WTI, INC.
1250 St. George Street
East Liverpool, Ohio 43920-3400
Phone: 330-385-7337
Fax: 330-385-7813
Web Site: www.heritage-wti.com

OHSAS 18001: 2007
ISO 14001: 2004
ISO 9001: 2008

Mr. Wen Huang
U.S. EPA, Region V
Waste Management Division
Mail Code HRP-8J
77 West Jackson
Chicago, IL 60604

January 31, 2012
VIA UPS and AIR SERVICES

Mr. Eric Bewley (sent electronically)
Division of Air Pollution Control
Northeast District Office
2110 East Aurora Road
Twinsburg, Ohio 44087

RE: Heritage-WTI, INC.
FACILITY ID: 02-15-02-0233
DATA ASSESSMENT REPORTS
4th Quarter 2011

To whom it may concern:

Enclosed are the Data Assessment Reports (DARs) for the Relative Accuracy Test Audit (RATA) conducted November 1-2, 2011 for Heritage-WTI, Inc.'s Continuous Emissions Monitoring System (CEMs).

The Data Assessment Report Forms, as Enclosure A, accompany this letter to US EPA only. They have been sent electronically to OEPA-DAPC. Attachment B contains the complete results of testing as provided to Heritage-WTI by Air Compliance Testing. Attachment C contains the calibration data sheets for the 4th quarter. Enclosure B and C are maintained onsite at Heritage-WTI and can be viewed upon request by agency personnel. This report displays that the Heritage-WTI CEMS have successfully met all the requirements of their applicable standards.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are certain penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

As always if you have any questions and/or comments feel free to contact me.

Sincerely,

A handwritten signature in dark ink, appearing to read "Frank Murray", written over the printed name.

Frank Murray
General Manager
Heritage-WTI, Inc.

cc: Michelle Tarka, OEPA-DHWM-NEDO (hand deliver, w/o attachments)



HERITAGE-WTI, INC.
1250 St. George Street
East Liverpool, Ohio 43920-3400
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OHSAS 18001: 2007
ISO 14001: 2004
ISO 9001: 2008

**ENCLOSURE A
4th QUARTER 2011
DATA ASSESSMENT REPORT FORMS**

JANUARY 31, 2012

Heritage-WTI, Inc.

EAST LIVERPOOL, OHIO



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STACK CO MONITOR

Period ending date: **December 31**
Year: **2011**
Company Name: **Heritage-WTI, Inc.**
Address: **1250 St. George Street, East Liverpool, OH 43920-6026**
Source Unit No.: **N001**
CEMS Manufacturer: **Thermo**
Model No.: **48i**
CEMS Serial No.: **48-50626-285**
CEMS Type: **Dry extractive**
CEMS Sampling Location: **Stack**
CEMS Span Values (Dual Range): **0-250, 0 - 750ppm**

I. Accuracy Assessment Results:

- A. Relative accuracy test audit (RATA) for CO: **Not applicable**
B. Cylinder gas audit (CGA) for CO.

	AUDIT POINT 1 (LOW)	AUDIT POINT 2 (HIGH)
DATE OF AUDIT	11/2/2011	11/2/2011
CYLINDER ID NO.	XC004407B	CC14343
DATE OF CERTIFICATION	1/11/2011	3/1/2011
TYPE OF CERTIFICATION	EPA Protocol 1	EPA Protocol 1
CERTIFIED AUDIT VALUE (PPM)	203.00	401.90
WTI CEMS RESPONSE	206.70	408.10
ACCURACY (%)	0.49	0.83

- C. Relative accuracy audit (RAA) for CO: **Not applicable**
D. Corrective action for excessive inaccuracy: **Not applicable**

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

STACK #1 DRY O₂ MONITOR

Period ending date: **December 31**
Year: **2011**
Company Name: **Heritage-WTI, Inc.**
Address: **1250 St. George Street, East Liverpool, OH 43920-6026**
Source Unit No.: **N001**
CEMS Manufacturer: **Ametek**
Model No.: **2001**
CEMS Serial No.: **C127340-1**
CEMS Type: **Dry extractive**
CEMS Sampling Location: **Stack**
CEMS Span Values As Per The Applicable Regulation: **0 – 25%**

I. Accuracy Assessment Results:

- A. Relative accuracy test audit (RATA) for O₂: **Not applicable**
- B. Cylinder gas audit (CGA) for O₂

	AUDIT POINT 1	AUDIT POINT 2	AUDIT POINT 3
DATE OF AUDIT	11/2/2011	11/2/2011	11/2/2011
CYLINDER ID NO.	XC004302B	CC239858	CA02136
DATE OF CERTIFICATION	2/21/2011	2/8/2011	10/26/2010
TYPE OF CERTIFICATION	-	EPA PROTOCOL 1	EPA PROTOCOL 1
CERTIFIED AUDIT VALUE (%)	1.007	9.019	15.15
WTI CEMS RESPONSE	1.04	8.84	14.91
DIFFERENCE(%)	0.04	0.18	0.24

- C. Relative accuracy audit (RAA) for O₂: **Not applicable**
- D. Corrective action for excessive inaccuracy: **Not applicable**

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

STACK #2 DRY O₂ MONITOR

Period ending date: **December 31**

Year: **2011**

Company Name: **Heritage-WTI, Inc.**

Address: **1250 St. George Street, East Liverpool, OH 43920-6026**

Source Unit No.: **N001**

CEMS Manufacturer: **Ametex**

Model No.: **2000**

CEMS Serial No.: **10206379**

CEMS Type: **Dry extractive**

CEMS Sampling Location: **Stack**

CEMS Span Values As Per The Applicable Regulation: **0 - 25 %**

I. Accuracy Assessment Results:

A. Relative accuracy test audit (RATA) for O₂: **Not applicable**

B. Cylinder gas audit (CGA) for O₂:

	AUDIT POINT 1	AUDIT POINT 2	AUDIT POINT 3
DATE OF AUDIT	11/2/2011	11/2/2011	11/2/2011
CYLINDER ID NO.	XC004302B	CC239858	CA02136
DATE OF CERTIFICATION	2/21/2011	2/8/2011	10/26/2010
TYPE OF CERTIFICATION	-	EPA PROTOCOL 1	EPA PROTOCOL 1
CERTIFIED AUDIT VALUE (%)	1.007	9.019	15.15
WTI CEMS RESPONSE	1.08	8.94	15.04
DIFFERENCE (%)	0.07	0.08	0.11

C. Relative accuracy audit (RAA) for O₂: **Not applicable**

D. Corrective action for excessive inaccuracy: **Not applicable**

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

SO₂ MONITOR

Period ending date: **December 31**
 Year: **2011**
 Company Name: **Heritage-WTI, Inc.**
 Address: **1250 St. George Street, East Liverpool, OH 43920-6026**
 Source Unit No.: **N001**
 CEMS Manufacturer: **Bovar**
 Model No.: **721M**
 CEMS Serial No.: **95-721M8281-2**
 CEMS Type: **Dry extractive**
 CEMS Sampling Location: **Stack**
 CEMS Span Values As Per The Applicable Regulation: **0 - 100 ppmd**

I. Accuracy Assessment Results:

- A. Relative accuracy test audit (RATA) for SO₂: **Not applicable**
- B. Cylinder gas audit (CGA) for SO₂.

	AUDIT POINT 1	AUDIT POINT 2
DATE OF AUDIT	11/2/2011	11/2/2011
CYLINDER ID NO.	CC131866	SG9148843BAL
DATE OF CERTIFICATION	5/13/2011	8/24/2010
TYPE OF CERTIFICATION	EPA PROTOCOL 1	EPA PROTOCOL 1
CERTIFIED AUDIT VALUE (PPM)	25.42	55.76
WTI CEMS RESPONSE	25.55	52.02
ACCURACY (%)	0.52	6.70

- C. Relative Accuracy audit (RAA) for SO₂: **Not applicable**
- D. Corrective action for excessive inaccuracy: **Not applicable**

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

STACK #1 O₂ WET MONITOR

Period ending date: **December 31**
 Year: **2011**
 Company Name: **Heritage-WTI, Inc.**
 Address: **1250 St. George Street, East Liverpool, OH 43920-6026**
 Source Unit No.: **N001**
 CEMS Manufacturer: **Ametex**
 Model No.: **2000**
 CEMS Serial No.: **C101180-102**
 CEMS Type: **In situ**
 CEMS Sampling Location: **Stack**
 CEMS Span Values As Per The Applicable Regulation: **0 - 25 %**

I. Accuracy Assessment Results:

- A. Relative accuracy test audit (RATA) for O₂: **Not applicable**
 B. Cylinder gas audit (CGA) for O₂:

	AUDIT POINT 1	AUDIT POINT 2	AUDIT POINT 3
DATE OF AUDIT	11/2/2011	11/2/2011	11/2/2011
CYLINDER ID NO.	XC004302B	CC239858	CA02136
DATE OF CERTIFICATION	2/21/2011	2/8/2011	10/26/2010
TYPE OF CERTIFICATION	-	EPA PROTOCOL 1	EPA PROTOCOL 1
CERTIFIED AUDIT VALUE (PPM)	1.007	9.019	15.15
WTI CEMS RESPONSE	1.08	9.25	15.31
AVG.DIFFERENCE (%)	0.07	0.23	0.16

- C. Relative accuracy audit (RAA) for O₂: **Not applicable**

- D. Corrective action for excessive inaccuracy: **Not applicable**

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

STACK #2 O₂ WET MONITOR

Period ending date: **December 31**
 Year: **2011**
 Company Name: **Heritage-WTI, Inc.**
 Address: **1250 St. George Street, East Liverpool, OH 43920-6026**
 Source Unit No.: **N001**
 CEMS Manufacturer: **Ametex**
 Model No.: **2000**
 CEMS Serial No.: **10206503**
 CEMS Type: **In situ**
 CEMS Sampling Location: **Stack**
 CEMS Span Values As Per The Applicable Regulation: **0 - 25 %**

I. Accuracy Assessment Results:

- A. Relative accuracy test audit (RATA) for O₂: **Not applicable**
- C. Cylinder gas audit (CGA) for O₂:

	AUDIT POINT 1	AUDIT POINT 2	AUDIT POINT 3
DATE OF AUDIT	11/2/2011	11/2/2011	11/2/2011
CYLINDER ID NO.	XC004302B	CC239858	CA02136
DATE OF CERTIFICATION	2/21/2011	2/8/2011	10/26/2010
TYPE OF CERTIFICATION	-	EPA PROTOCOL 1	EPA PROTOCOL 1
CERTIFIED AUDIT VALUE (PPM)	1.007	9.019	15.15
WTI CEMS RESPONSE	1.09	9.28	15.39
AVG.DIFFERENCE (%)	0.08	0.26	0.24

- C. Relative accuracy audit (RAA) for O₂: **Not applicable**
 - D. Corrective action for excessive inaccuracy: **Not applicable**
- ### II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

NO_x MONITOR

Period ending date: **December 31**
 Year: **2011**
 Company Name: **Heritage-WTI, Inc.**
 Address: **1250 St. George Street, East Liverpool, OH 43920-6026**
 Source Unit No.: **N001**
 CEMS Manufacturer: **CAI**
 Model No.: **600CLD**
 CEMS Serial No.: **U12052**
 CEMS Type: **Dry extractive**
 CEMS Sampling Location: **Stack**
 CEMS Span Values As Per The Applicable Regulation: **0 - 250 ppm**

I. Accuracy Assessment Results:

- A. Relative accuracy test audit (RATA) for NO_x: **Not applicable**
- B. Cylinder gas audit (CGA) for NO_x.

	AUDIT POINT 1	AUDIT POINT 2
DATE OF AUDIT	11/2/2011	11/2/2011
CYLINDER ID NO.	XC028627B	CC15184
DATE OF CERTIFICATION	8/2/2013	4/5/2011
TYPE OF CERTIFICATION	EPA PROTOCOL 1	EPA PROTOCOL 1
CERTIFIED AUDIT VALUE (PPM)	61.55	139.80
WTI CEMS RESPONSE	64.45	144.31
ACCURACY (%)	4.71	3.22

- C. Relative accuracy audit (RAA) for NO_x: **Not applicable**
- D. Corrective action for excessive inaccuracy: **Not applicable**

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

THC #1 MONITOR – LOW RANGE

Period ending date: **December 31**
 Year: **2011**
 Company Name: **Heritage-WTI, Inc.**
 Address: **1250 St. George Street, East Liverpool, OH 43920-6026**
 Source Unit No.: **N001**
 CEMS Manufacturer: **CAI**
 Model No.: **600HFID**
 CEMS Serial No.: **U12054**
 CEMS Type: **Dry extractive**
 CEMS Sampling Location: **Stack**
 CEMS Span Values As Per the Applicable Regulation: **0 - 100 ppm**

I. Accuracy Assessment Results:

- A. Relative accuracy test audit (RATA) for NO_x: **Not applicable**
 B. Cylinder gas audit (CGA) for NO_x:

	AUDIT POINT 1	AUDIT POINT 2	AUDIT POINT 3
DATE OF AUDIT	11/2/2011	11/2/2011	11/2/2011
CYLINDER ID NO.	-	EB0013454	CC166015
DATE OF CERTIFICATION	-	3/28/2011	6/16/2010
TYPE OF CERTIFICATION	-	EPA PROTOCOL 1	EPA PROTOCOL 1
CERTIFIED AUDIT VALUE (PPM)	0.00	36.40	75.09
WTI CEMS RESPONSE	-0.38	36.53	73.92
ACCURACY (%)	0.38	0.13	1.17

- C. Relative accuracy audit (RAA) for NO_x: **Not applicable**
 D. Corrective action for excessive inaccuracy: **Not applicable**

II. Calibration Drift Assessment

START DATE	START TIME	END DATE	END TIME	CORRECTIVE ACTION
10/24/2011	0641	10/25/2011	0708	Re-calibration

THC #1 MONITOR – HIGH RANGE

Period ending date: **December 31**
Year: **2011**
Company Name: **Heritage-WTI, Inc.**
Address: **1250 St. George Street, East Liverpool, OH 43920-6026**
Source Unit No.: **N001**
CEMS Manufacturer: **CAI**
Model No.: **600HFID**
CEMS Serial No.: **U12054**
CEMS Type: **Dry extractive**
CEMS Sampling Location: **Stack**
CEMS Span Values As Per the Applicable Regulation: **0 - 500 ppm**

I. Accuracy Assessment Results:

- A. Relative accuracy test audit (RATA) for NO_x: **Not applicable**
B. Cylinder gas audit (CGA) for NO_x.

	AUDIT POINT 1	AUDIT POINT 2	AUDIT POINT 3
DATE OF AUDIT	11/2/2011	11/2/2011	11/2/2011
CYLINDER ID NO.	-	SG9153095BAL	CC112315
DATE OF CERTIFICATION	-	3/22/2010	6/16/2010
TYPE OF CERTIFICATION	-	EPA PROTOCOL 1	EPA PROTOCOL 1
CERTIFIED AUDIT VALUE (PPM)	0.00	186.20	377.30
WTI CEMS RESPONSE	-0.08	183.97	375.28
ACCURACY (%)	0.02	0.45	0.40

- C. Relative accuracy audit (RAA) for NO_x: **Not applicable**
D. Corrective action for excessive inaccuracy: **Not applicable**

II. Calibration Drift Assessment

START DATE	START TIME	END DATE	END TIME	CORRECTIVE ACTION
10/24/2011	0641	10/25/2011	0708	Re-calibration

THC #2 MONITOR – LOW RANGE

Period ending date: **December 31**

Year: **2011**

Company Name: **Heritage-WTI, Inc.**

Address: **1250 St. George Street, East Liverpool, OH 43920-6026**

Source Unit No.: **N001**

CEMS Manufacturer: **CAI**

Model No.: **600HFID**

CEMS Serial No.: **U12055**

CEMS Type: **Dry extractive**

CEMS Sampling Location: **Stack**

CEMS Span Values As Per the Applicable Regulation: **0 - 100 ppm**

I. Accuracy Assessment Results:

- A. Relative accuracy test audit (RATA) for NO_x: **Not applicable**
- B. Cylinder gas audit (CGA) for NO_x.

	AUDIT POINT 1	AUDIT POINT 2	AUDIT POINT 3
DATE OF AUDIT	11/2/2011	11/2/2011	11/2/2011
CYLINDER ID NO.	-	EB0013454	CC166015
DATE OF CERTIFICATION	-	3/28/2011	6/16/2010
TYPE OF CERTIFICATION	-	EPA PROTOCOL 1	EPA PROTOCOL 1
CERTIFIED AUDIT VALUE (PPM)	0.00	36.40	75.09
WTI CEMS RESPONSE	-0.37	38.21	78.13
ACCURACY (%)	0.37	1.81	3.04

- C. Relative accuracy audit (RAA) for NO_x: **Not applicable**
- D. Corrective action for excessive inaccuracy: **Not applicable**

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

THC #2 MONITOR – HIGH RANGE

Period ending date: **December 31**

Year: **2011**

Company Name: **Heritage-WTI, Inc.**

Address: **1250 St. George Street, East Liverpool, OH 43920-6026**

Source Unit No.: **N001**

CEMS Manufacturer: **CAI**

Model No.: **600HFID**

CEMS Serial No.: **U12055**

CEMS Type: **Dry extractive**

CEMS Sampling Location: **Stack**

CEMS Span Values As Per the Applicable Regulation: **0 - 500 ppm**

I. Accuracy Assessment Results:

- A. Relative accuracy test audit (RATA) for NO_x: **Not applicable**
- B. Cylinder gas audit (CGA) for NO_x.

	AUDIT POINT 1	AUDIT POINT 2	AUDIT POINT 3
DATE OF AUDIT	11/2/2011	11/2/2011	11/2/2011
CYLINDER ID NO.	-	SG9153095BAL	CC112315
DATE OF CERTIFICATION	-	3/22/2010	6/16/2010
TYPE OF CERTIFICATION	-	EPA PROTOCOL 1	EPA PROTOCOL 1
CERTIFIED AUDIT VALUE (PPM)	0.00	186.20	377.30
WTI CEMS RESPONSE	-0.21	186.27	378.65
ACCURACY (%)	0.21	0.01	0.27

- C. Relative accuracy audit (RAA) for NO_x: **Not applicable**

- D. Corrective action for excessive inaccuracy: **Not applicable**

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

VAPOR RECOVERY THC #1 MONITOR (Interbox North)

Period ending date: **December 31**
Year: **2011**
Company Name: **Heritage-WTI, Inc.**
Address: **1250 St. George Street, East Liverpool, OH 43920-6026**
Source Unit No.: **P001, F002**
CEMS Manufacturer: **California**
Model No.: **600H**
CEMS Serial No.: **T10031**
CEMS Type: **Dry extractive**
CEMS Sampling Location: **Vapor Recovery Stack**
CEMS Span Values As Per the Applicable Regulation: **0 - 200 ppm**

I. Accuracy Assessment Results:

A. Relative accuracy test audit (RATA) for NO_x: **Not applicable**

B. Cylinder gas audit (CGA) for NO_x:

	AUDIT POINT 1	AUDIT POINT 2	AUDIT POINT 3
DATE OF AUDIT	11/1/2011	11/1/2011	11/1/2011
CYLINDER ID NO.	-	CC18098	EB0013445
DATE OF CERTIFICATION	-	2/22/2011	10/6/2008
TYPE OF CERTIFICATION	-	EPA PROTOCOL G-1	EPA PROTOCOL G-1
CERTIFIED AUDIT VALUE (PPM)	0.00	49.99	153.90
WTI CEMS RESPONSE	1.04	49.91	152.46
ACCURACY (%)	0.52	0.04	0.72

C. Relative accuracy audit (RAA) for NO_x: **Not applicable**

D. Corrective action for excessive inaccuracy: **Not applicable**

II. Calibration Drift Assessment

START DATE	START TIME	END DATE	END TIME	CORRECTIVE ACTION
10/21/2011	0541	10/22/2011	0818	Re-calibration
12/1/2011	0651	12/2/2011	0801	Re-calibration

VAPOR RECOVERY THC #2 MONITOR
(Interbox South)

Period ending date: **December 31**

Year: **2011**

Company Name: **Heritage-WTI, Inc.**

Address: **1250 St. George Street, East Liverpool, OH 43920-6026**

Source Unit No.: **P001, F002**

CEMS Manufacturer: **California**

Model No.: **600H**

CEMS Serial No.: **T10033**

CEMS Type: **Dry extractive**

CEMS Sampling Location: **Vapor Recovery Stack**

CEMS Span Values As Per the Applicable Regulation: **0 - 200 ppm**

I. Accuracy Assessment Results:

A. Relative accuracy test audit (RATA) for NO_x: **Not applicable**

B. Cylinder gas audit (CGA) for NO_x.

	AUDIT POINT 1	AUDIT POINT 2	AUDIT POINT 3
DATE OF AUDIT	11/1/2011	11/1/2011	11/1/2011
CYLINDER ID NO.	-	CC18098	EB0013445
DATE OF CERTIFICATION	-	2/22/2011	10/6/2008
TYPE OF CERTIFICATION	-	EPA PROTOCOL G-1	EPA PROTOCOL G-1
CERTIFIED AUDIT VALUE (PPM)	0.00	49.99	153.90
WTI CEMS RESPONSE	-0.70	49.85	154.16
ACCURACY (%)	0.35	0.07	0.13

C. Relative accuracy audit (RAA) for NO_x: **Not applicable**

D. Corrective action for excessive inaccuracy: **Not applicable**

II. Calibration Drift Assessment

START DATE	START TIME	END DATE	END TIME	CORRECTIVE ACTION
10/21/2011	0541	10/22/2011	0818	Re-calibration
12/1/2011	0651	12/2/2011	0801	Re-calibration

OPACITY MONITOR

Period ending date: **December 31**

Year: **2011**

Company Name: **Heritage-WTL, Inc.**

Address: **1250 St. George Street, East Liverpool, OH 43920-6026**

Source Unit No.: **N001**

CEMS Manufacturer: **Teledyne**

Model No.: **Lighthawk 560**

CEMS Serial No.: **5600687**

CEMS Type: **In situ**

CEMS Sampling Location: **Stack**

CEMS Span Values As Per The Applicable Regulation: **0 - 100 percent**

I. Accuracy Assessment Results:

The opacity monitor was audited according to the USEPA document 450/4-92-010 "Performance Audit Procedure for Opacity Monitors," April 1992 on **11/2/2011**. See Enclosure B, Tables 2.2.4 and 2.5.2 for the results of this audit.

- | | | |
|----|--|-----------------------|
| A. | Relative accuracy test audit (RATA) for opacity: | Not applicable |
| B. | Cylinder gas audit (CGA) for opacity: | Not applicable |
| C. | Relative accuracy audit (RAA) for opacity: | Not applicable |
| D. | Corrective action for excessive inaccuracy: | Not applicable |

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

REHEAT FLOW MONITOR

Period ending date: **December 31**

Year: **2011**

Company Name: **Heritage-WTI, Inc.**

Address: **1250 St. George Street, East Liverpool, OH 43920-6026**

Source Unit No.: **N001**

CEMS Manufacturer: **USI, Ultraflow**

Model No.: **Model 100**

CEMS Serial No.: **Q-08572U-0793**

CEMS Type: **In situ**

CEMS Sampling Location: **Reheat duct**

CEMS Span Values As Per the Applicable Regulation: **0 - 50,000 scfm**

I. Accuracy Assessment Results:

- A. Relative accuracy test audit (RATA) for flow: **Not applicable**
- B. Cylinder gas audit (CGA) for flow: **Not applicable**
- C. Relative accuracy audit (RAA) for flow:
1. Date of audit: **11/2/2011**
 2. Reference methods (RM's) used: **1 - 4**
 3. Average RM value: **17,555 wscfm**
 4. Average CEMS value: **19,929 wscfm**
 5. Accuracy percent: **13.524** (applicable standard 15%)
 6. EPA performance audit results: **Not applicable**
- D. Corrective action for excessive inaccuracy: **Not applicable**

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

STACK FLOW MONITOR

Period ending date: **December 31**
Year: **2011**
Company Name: **Heritage-WTI, Inc.**
Address: **1250 St. George Street, East Liverpool, OH 43920-6026**
Source Unit No.: **N001**
CEMS Manufacturer: **Teledyne**
Model No.: **Model 150**
CEMS Serial No.: **1501036**
CEMS Type: **In situ**
CEMS Sampling Location: **Stack**
CEMS Span Values As Per The Applicable Regulation: **0 - 100,000 scfm**

I. Accuracy Assessment Results:

- A. Relative accuracy test audit (RATA) for flow: **Not applicable**
- B. Cylinder gas audit (CGA) for flow: **Not applicable**
- C. Relative accuracy audit (RAA) for flow:
1. Date of audit: **11/2/2011**
 2. Reference methods (RM's) used: **1 - 4**
 3. Average RM value: **7,028 wscfm**
 4. Average CEMS value: **75,934 wscfm**
 5. Accuracy percent: **1.420** (applicable standard 15%)
 6. EPA performance audit results: **Not applicable**
- D. Corrective action for excessive inaccuracy : **Not applicable**

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F.

SCRUBBER OUTLET FLOW MONITOR

Period ending date: **December 31**
Year: **2011**
Company Name: **Heritage-WTI, Inc.**
Address: **1250 St. George Street, East Liverpool, OH 43920-6026**
Source Unit No.: **N001**
CEMS Manufacturer: **USI, Ultraflow**
Model No.: **Model 100**
CEMS Serial No.: **9407820**
CEMS Type: **In situ**
CEMS Sampling Location: **Scrubber outlet**
CEMS Span Values As Per the Applicable Regulation: **0 - 70,000 scfm**

I. Accuracy Assessment Results:

- A. Relative accuracy test audit (RATA) for flow: **Not applicable**
- B. Cylinder gas audit (CGA) for flow: **Not applicable**
- C. Relative accuracy audit (RAA) for flow:
1. Date of audit: **11/2/2011**
 2. Reference methods (RM's) used: **1 - 4**
 3. Average RM value: **57,921 wscfm**
 4. Average CEMS value: **55,930 wscfm**
 5. Accuracy percent: **3.437** (applicable standard 15%)
 6. EPA performance audit results: **Not applicable**
- D. Corrective action for excessive inaccuracy: **Not applicable**

II. Calibration Drift Assessment

There were no "out of control" periods for the monitor as defined in 40 CFR 60, App. F

End of Report